We claim:

1. A line switching system of a dynamic band variation unit having a function to connect a dynamic data terminal device to an opposing data terminal device through a plurality of trunk lines such as dedicated lines and ISDN lines, said line switching system including:

adjusting the quantity of data stored to said dynamic band variation unit according to predetermined steps when varying the data communication quantity of said data terminal device by increasing or decreasing the number of lines used as trunk lines, and when said quantity of data stored to said unit comes to be in a predetermined relation with said data communication quantity of said trunk lines, varying the quantity of data to be sent out to said trunk lines, thereby preventing loss of said data.

2. A line switching system of a dynamic band variation unit according to claim 1, wherein said line switching system further includes adjusting said quantity of data stored to said dynamic band variation unit by varying the communication speed for transmitting data from the dynamic data terminal device, before varying the quantity of data to be sent out to said trunk lines, when varying said data communication quantity of said data terminal device.

3. A line switching system of a dynamic band variation unit

according to claim 2, wherein said line switching system further includes measuring the line delay time determined by the difference between a line delay time of the line communicating the data and a line delay time of a line to be added, and setting the timing for sending out data to different lines respectively according to the line delay time of each line, when increasing the number of lines.

4. A line switching system of a dynamic band variation unit according to claim 3, wherein said line switching system further includes sending out data to said additional line at the point of time where the quantity of stored data equals the product of the line delay time and the data communication speed of the lines excluding a line having the largest line delay time, when increasing the number of lines.

5. A line switching system of a dynamic band variation unit according to claim 2, wherein said line switching system further includes decreasing the number of lines at the point of time where no more quantity of data is stored.

6. A line switching unit comprising:

a means for controlling the switching of a plurality of lines;

a means for measuring a line delay time of said plurality of lines;

a means for storing data transmitted from a data terminal device to said unit;

a means for allocating said data from said data terminal device to said plurality of lines; and

a means for separately controlling a clock for receiving data from said data terminal device and a clock for transmitting data to said data terminal device;

wherein said line delay time of said plurality of lines are measured and the data corresponding to said line delay time is stored to said unit, said data being transferred to an opposing data terminal device in units through said plurality of lines by a timing determined for each of said plurality of lines, thereby guaranteeing the data being communicated.

7. A line switching unit according to claim 6, wherein said clock for transmitting the data to said data terminal device is controlled to correspond to the line speed when receiving data from said line, thereby guaranteeing said data being communicated to said data terminal device.